


Material Safety Data Sheet

Science Stuff, Inc.
1104 Newport Avenue
Austin, TX 78753

Phone (512) 323-6002
Chemtrec 800-424-9300
24 Hour Emergency Assistance

Section 1 Identification					
Product Number:	C2050	Health:	1		
Product Name:	Mannitol Reagent A.C.S., Powder	Flammability:	1		
Trade/Chemical Synonyms		Reactivity:	0		
Formula:	C-H ¹⁶ O-	Hazard Rating:	Least Slight Moderate High Extreme		
RTECS:	OP2060000		0	1	2
C.A.S	CAS# 69-65-8		3	4	
<p>NA = Not Applicable NE = Not Established</p>					
Section 2 Component Mixture					
Sara 313	Component	CAS Number	%	Dim	Exposure Limits:
	Mannitol	CAS# 69-65-8	100 %	W/W	TXDS: orl-rat LD ₅₀ : 13500 mg/Kg
Section 3 Hazard Identification (Also see section 11)					
Harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.					
Section 4 First Aid Measures					
Harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.					
FIRST AID: CALL A PHYSICIAN. SKIN: Wash exposed area with soap and water.					
EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen					
INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.					
Section 5 Fire Fighting Measures					
Fire Extinguisher Type:	Water spray, dry chemical, carbon dioxide, ordinary foam.				
Fire/Explosion Hazards:	Move containers away from fire if it can be done.				
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.				
Section 6 Accidental Release Measures					
Remove all sources of ignition. With a clean shovel carefully place material into clean container and cover. Remove from area. Flush spill with water.					
Section 7 Handling and Storage					
Store in a cool dry well ventilated area. Keep away from heat and flame. Do not get in eyes, on skin, or on clothing.					
Section 8 Exposure Controls & Personal Protection					
Respiratory Protection: Use respirator or dust mask.					
Mechanical: <input type="checkbox"/> Hand Protection: Wear appropriate gloves to prevent skin exposure					
Ventilation: Local Exhaust: <input checked="" type="checkbox"/> Eye Safety Glasses w/ Protection: Side Shields					
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure					
Section 9 Physical and Chemical Properties					
Melting Point:	166 Deg C	Specific Gravity	1.50		
Boiling Point:	290-295 Deg C	Percent Volatile by Volume:	0%		
Vapor Pressure:	Information not available	Evaporation Rate:	0		
Vapor Density:	Information not available	Evaporation Standard:			
Solubility in Water:	>10 %	Auto ignition Temperature:	Not applicable		
Appearance and Odor:	White crystalline powder	Lower Flamm. Limit in Air:	Not applicable		
Flash Point:	No flash point listed.	Upper Flamm. Limit in Air:	Not applicable		
Section 10 Stability and Reactivity Information					
Stability: Stable Conditions to Avoid: Heat, flame, other sources of ignition.					
Materials to Avoid: Strong oxidizing agents					
Hazardous Decomposition Products: Carbon oxides					
Hazardous Polymerization: Will Not Occur					
Condition to Avoid: None known					
Section 11 Additional Information					
Acute: Dusts may irritate eyes and lungs. Chronic: None known. Conditions aggravated/target organs: None known although this fine dust could agitate previous lung disorders.					
DOT Classification: Not Regulated					
DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.					
Revision No:1 Date Entered: 1/1/2003 Approved by: WPF					

The information contained herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warranty is expressed or implied regarding the completeness or accuracy of this information, whether originating from Science Stuff, Inc. or from an alternate source. Users of this material should satisfy themselves by independent investigation of current scientific and medical information that this material may be safely handled.

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Section 1 Identification						Section 6 Accidental Release Measures					
Product Number:	C2959					This material is non hazardous, wipe up and dispose of down drain.					
Product Name:	Water, Ultra Pure HPLC Grade HPLC Grade					Section 7 Handling and Storage					
Trade/Chemical Synonyms						Store in a cool dry place. This Material is not considered hazardous. Store away from water reactive material.					
Formula:	H ₂ O					Section 8 Exposure Controls & Personal Protection					
RTECS:	ZC0110000					Respiratory Protection: None required					
C.A.S	CAS# 7732-18-5					Mechanical: <input type="checkbox"/> Hand Protection: None required Ventilation: Local Exhaust: <input type="checkbox"/> Eye Protection: None required Other Protective Equipment: None required.					
Section 2 Component Mixture						Section 9 Physical and Chemical Properties					
Sara 313	Component	CAS Number	%	Dim	Exposure Limits:	Melting Point: 32°F Specific Gravity 1 Boiling Point: 212°F Percent Volatile by Volume: 100% Vapor Pressure: Not available Evaporation Rate: 1 Vapor Density: Not available Evaporation Standard: Water =1 Solubility in Water: Soluble Auto ignition Temperature: Not applicable Appearance and Odor: Colorless odorless liquid Lower Flamm. Limit in Air: Not applicable Flash Point: Not flammable Upper Flamm. Limit in Air: Not applicable					
	Water, Ultra Pure HPLC Grade	CAS# 7732-18-5	100%	v/v	None Established						
Section 3 Hazard Identification (Also see section 11)						Section 10 Stability and Reactivity Information					
Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.						Stability: Stable Conditions to Avoid: Temperature extremes Materials to Avoid: Strong Acids, Bases. Water reactive materials Hazardous Decomposition Products: Not known to occur Hazardous Polymerization: Will Not Occur Condition to Avoid: None known					
Section 4 First Aid Measures						Section 11 Additional Information					
Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.						Conditions aggravated/Target organs: None known					
FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.						DOT Classification: Not Regulated					
EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen						DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.					
INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but it is not necessary to induce. Never give anything by mouth to an unconscious person.						Revision No: 0.2 Date Entered: 1/1/2003 Approved by: WPF					
Section 5 Fire Fighting Measures											
Fire Extinguisher Type:	Any means suitable for extinguishing surrounding fire										
Fire/Explosion Hazards:	None Known.										
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.										

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